

INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Not for submission under 37 CFR 1.99)</i>	Application Number	10684138
	Filing Date	2003-10-10
	First Named Inventor	Peter T. Barrett
	Art Unit	2614
	Examiner Name	
	Attorney Docket Number	MS1-1758US

U.S.PATENTS

Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1	5461415		1995-10-24	Wolf, et al.	
	2	5473362		1995-12-05	Fitzgerald, et al.	
	3	5583868		1996-12-10	Rashid, et al.	
	4	5631694		1997-05-20	Aggarwal, et al.	
	5	5699362		1997-12-16	Makam	
	6	5884141		1999-03-16	Inoue, et al.	
	7	5926230		1999-07-20	Niijima, et al.	
	8	6047317		2000-04-04	Bisdikian, et al.	

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	10684138
Filing Date	2003-10-10
First Named Inventor	Peter T. Barrett
Art Unit	2614
Examiner Name	
Attorney Docket Number	MSI-1758US

9	6078594	2000-06-20	Anderson, et al.	
10	6118498	2000-09-12	Reitmeier	
11	6138147	2000-10-24	Weaver, et al.	
12	6222482	2001-04-24	Gueziec	
13	6266817	2001-07-24	Chaddha	
14	6330286	2001-12-11	Lyons, et al.	
15	6430547	2002-08-06	Busche, et al.	
16	6496814	2002-12-17	Busche	
17	6505106	2003-01-07	Lawrence, et al.	
18	6580754	2003-06-17	Wan, et al.	
19	6609149	2003-08-19	Bandera, et al.	

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	10684138
Filing Date	2003-10-10
First Named Inventor	Peter T. Barrett
Art Unit	2614
Examiner Name	
Attorney Docket Number	MS1-1758US

20	6615133		2003-09-02	Boies, et al.	
21	6721952		2004-04-13	Guedalia, et al.	
22	6751626		2004-06-15	Brown, et al.	
23	6766245		2004-07-20	Padmanabhan	
24	6842724		2005-01-11	Lou, et al.	
25	6856759		2005-02-15	Fukuda, et al.	

If you wish to add additional U.S. Patent citation information please click the Add button.

U.S.PATENT APPLICATION PUBLICATIONS

Examiner Initial*	Cite No	Publication Number	Kind Code ¹	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
1		20020108119	A1	2002-08-08	Mao, et al.	
2		20030159143	A1	2003-08-21	Chan, Peter	
3		20030202775	A1	2003-10-30	Junkersfeld, et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Not for submission under 37 CFR 1.99)</i>	Application Number	10684138
	Filing Date	2003-10-10
	First Named Inventor	Peter T. Barrett
	Art Unit	2614
	Examiner Name	
	Attorney Docket Number	MS1-1758US

4	20040034863	A1	2004-02-19	Barrett, et al.	
5	20040034864	A1	2004-02-19	Barrett, et al.	
6	20040128694	A1	2004-07-01	Bantz, et al.	
7	20040160974	A1	2004-08-19	Read, et al.	
8	20040255328	A1	2004-12-16	Baldwin, et al.	
9	20050078680	A1	2005-04-14	Barrett, et al.	
10	20050078757	A1	2005-04-14	Nohrden	
11	20050080904	A1	2005-04-14	Green	
12	20050081243	A1	2005-04-14	Barrett, et al.	
13	20050081244	A1	2005-04-14	Barrett, et al.	
14	20050081246	A1	2005-04-14	Barrett, et al.	

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	10684138
Filing Date	2003-10-10
First Named Inventor	Peter T. Barrett
Art Unit	2614
Examiner Name	
Attorney Docket Number	MS1-1758US

15	20050154917	A1	2005-07-14	deCarmo	
16	20050172314	A1	2005-08-04	Krakora, et al.	
17	20050190781	A1	2005-09-01	Green, et al.	

If you wish to add additional U.S. Published Application citation information please click the Add button.

FOREIGN PATENT DOCUMENTS

Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ² ¹	Kind Code ⁴	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	T ⁵
	1	CA2480461	CA		2003-10-16	Cisco Technology, Inc.		<input type="checkbox"/>
	2	EP0633694	EP		1995-01-11	Digital Equipment Corp		<input type="checkbox"/>
	3	EP1294193	EP		2003-03-19	Thomson Licensing SA		<input type="checkbox"/>
	4	WO0126271	WO		2001-04-12	World Multicast.com, Inc.		<input type="checkbox"/>
	5	WO0156285	WO		2001-08-02	Berberet, et al.		<input type="checkbox"/>
	6	WO02087235	WO		2002-10-31	Vividon, Inc.		<input type="checkbox"/>

INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Not for submission under 37 CFR 1.99)</i>	Application Number		10684138
	Filing Date		2003-10-10
	First Named Inventor		Peter T. Barrett
	Art Unit		2614
	Examiner Name		
	Attorney Docket Number		MS1-1758US

	7	WO03088646	WO		2003-10-23	Thomson Licensing SA	<input type="checkbox"/>
	8	WO2004062291	WO		2004-07-22	Koninklijke Philips Electronics NV	<input type="checkbox"/>
	9	WO9806045	WO		1998-02-12	OLiVER Corporation LTD	<input type="checkbox"/>
	10	WO9909741	WO		1999-02-25	Next Level Comm (US)	<input type="checkbox"/>

If you wish to add additional Foreign Patent Document citation information please click the Add button

NON-PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T5
	1	Application Serial Number 11/010,200, Smith, et al., Filed 12/10/2004.	<input type="checkbox"/>
	2	BenAbdelkader, et al., "Combining Holistic and Parametric Approaches for Gait Recognition," Submitted to IEEE Transactions on Pattern Analysis and Machine Intelligence, December 2002, 37 pages.	<input type="checkbox"/>
	3	BenAbdelkader, et al., "EigenGait: Motion-based Recognition of People Using Image Self-similarity," Proc. Intl. on Audio and Video-based Person Authentication (AVBPA), 2001, 11 pages.	<input type="checkbox"/>
	4	BenAbdelkader, et al., "Motion-based Recognition of People in Eigengait Space," 5th International Conference on Automatic Face and Gesture Recognition, 5/20/2002, pp. 1-6.	<input type="checkbox"/>
	5	BenAbdelkader, et al., "Person Identification Using Automatic Height and Stride Estimation," IEEE International Conference on Pattern Recognition, 8/11/02-8/15/02, pp. 1-4.	<input type="checkbox"/>

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	10684138	
Filing Date	2003-10-10	
First Named Inventor	Peter T. Barrett	
Art Unit	2614	
Examiner Name		
Attorney Docket Number	MS1-1758US	

	6	BenAbdelkader, et al., "Stride and Cadence as a Biometric in Automatic Person Identification and Verification," 5th International Conference on Automatic Face and Gesture Recognition, 5/20/2002, pp. 1-6	<input type="checkbox"/>
	7	BenAbdelkader, et al., "View-invariant Estimation of Height and Stride for Gait Recognition," Workshop on Biometric Authentication (BIOMET), in association with ECCV 2002, 6/1/2002, 12 pages.	<input type="checkbox"/>
	8	Cutler, et al., "Robust Real-Time Periodic Motion Detection, Analysis, and Applications," IEEE Transactions on Pattern Analysis and Machine Intelligence (PAMI), Vol. 22, No. 8, August 2000, pp. 781-796.	<input type="checkbox"/>
	9	"Digital Headend Solutions; Tune in to Digital TV", available at << http://www.tutsystems.com/digitalheadend/solutions/index.cfm >>, accessed on 11/03/05, 1 page.	<input type="checkbox"/>
	10	Ding, et al., "Resource-Based Striping: An Efficient Striping Strategy for Video Servers Using Heterogeneous Disk-Subsystems", Multimedia Tools and Applications, Vol. 19, No. 1, Jan, 2003, pp. 29-51	<input type="checkbox"/>
	11	Elgammal, et al., "Non-parametric Model for Background Subtraction," IEEE ICCV99 Frame Rate Workshop, IEEE 7th International Conference on Computer Vision, Kerkyra, Greece, September 1999, pp. 1-17.	<input type="checkbox"/>
	12	Gil, et al., "Simulation of a Mobility Prediction Scheme Based on Neuro-Fuzzy Theory in Mobile Computing", Simulation, July 2000, Vol. 75, No. 1, pp 6-17.	<input type="checkbox"/>
	13	Gonzalez, et al., "Load Sharing Based on Popularity in Distributed Video on Demand Systems", Proceedings 2002 IEEE Int'l. Conf. on Multimedia and Expo, Vol. 1, Aug. 2002, pp. 5-8.	<input type="checkbox"/>
	14	Halvorsen et al., "Q-L/MRP: A Buffer Muffer Management Mechanism for QoS Support in a Multimedia DBMS", IEEE 1998, pp 162-171.	<input type="checkbox"/>
	15	Haritaoglu, et al., "W4S: A Real-Time System for Detecting and Tracking People in 2 1/2 D," in European Conference on Computer Vision, 1998, 16 pages.	<input type="checkbox"/>
	16	Hurst, et al., "MPEG Splicing: A New Standard for Television-SMPTE 312M", SMPTE Journal, November 1998, pp 978-988.	<input type="checkbox"/>

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	10684138
Filing Date	2003-10-10
First Named Inventor	Peter T. Barrett
Art Unit	2614
Examiner Name	
Attorney Docket Number	MS1-1758US

17	"Infovalue Experts; Info Value Unveils Industry's First Video Multicasting Solution with Instant Replay", available at << http://www.infovalue.com/links/news%20room/press%20releases/1999/Press_%20First_Multicasting_with_Instant_Replay.pdf >>, accessed on 11/03/05, 3 pages.	<input type="checkbox"/>
18	Kamiyama et al., "Renegotiated CBR Transmission in Interactive Video-on-Demand System", IEEE 1997, pp 12-19.	<input type="checkbox"/>
19	Lee, "Staggered Push-A Linearly Scalable Architecture for Push-Based Parallel Video Servers", IEEE Transactions on Multimedia, Vol. 4, No. 4, December 2002, pp. 423-434.	<input type="checkbox"/>
20	Lo, et al., "Deploy Multimedia-on-Demand Services over ADSL Networks", PCM 2002, Lecture Notes in Computer Science, Vol. 2532, Dec 2002, pp. 295-302.	<input type="checkbox"/>
21	Lu, et al., "Experience in designing a TCP/IP based VOD system over a dedicated network", IEEE 1997, pp 262-266.	<input type="checkbox"/>
22	"MediaFLO: Introducing FLO Technology", available at << http://www.qualcomm.com/mediaflo/news/pdf/flo_whitepaper.pdf >>, accessed on 11/03/05, pp. 1-8.	<input type="checkbox"/>
23	"Multidimensional Database Technology", Computer, December 2001, Vol. 34, No. 12, pp 40-46.	<input type="checkbox"/>
24	"Optibase MGW 2400", available at << http://www.epecomgraphics.com/optibase_mgw2400_features.html >>, accessed on 11/03/05, 2 pages.	<input type="checkbox"/>
25	Petit, et al., "Bandwidth Resource Optimization in Video-On-Demand Network Architectures", IEEE 1994, pp 91-97.	<input type="checkbox"/>
26	"QuickTime Streaming your Media in Real Time", available at << http://www.apple.com.tw/quicktime/technologies/streaming/ >>, accessed on 11/03/05, 3 pages.	<input type="checkbox"/>
27	Song, et al., "Replica Striping for Multi-Resolution Video Servers", IDMS/PROMS 2002, Lecture Notes in Computer Science, Vol. 2515, No. 2002, pp. 300-312.	<input type="checkbox"/>

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	10684138
Filing Date	2003-10-10
First Named Inventor	Peter T. Barrett
Art Unit	2614
Examiner Name	
Attorney Docket Number	MS1-1758US

28	Tsai, R., "An Efficient and Accurate Camera Calibration Technique for 3d Machine Vision," Proceedings of the Computer Vision and Pattern Recognition, 1986, pp. 364-374.	<input type="checkbox"/>
29	Turk, et al., "Face Recognition Using Eigenfaces," CVPR, 1991, pp. 586-591.	<input type="checkbox"/>
30	Wee, et al., "Splicing MPEG Video Streams in the Compressed Domain", IEEE 1997, pp 224-230.	<input type="checkbox"/>
31	Wolfson, et al., "Modeling Moving Objects for Location Based Services", Lectures Notes in Computer Science, 2002, Vol. 2538, pp 46-58	<input type="checkbox"/>
32	Zhang, et al., "Data Modeling of Moving Objects with GPS/GIS in Web Environment", International Conference on Communications, Circuits and Systems and West Sino Exposition Proceedings, 2002, Vol. 2 pp, 1581-1585.	<input type="checkbox"/>
33	Zhang, et al., "The Cost Model of Moving Objects Communication with GPS", International Conference on Communications, Circuits and Systems and West Sino Exposition Proceedings, 2002, VOI. 2, pp 1576-1580.	<input type="checkbox"/>

If you wish to add additional non-patent literature document citation information please click the Add button

EXAMINER SIGNATURE

Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Not for submission under 37 CFR 1.99)

Application Number	10684138
Filing Date	2003-10-10
First Named Inventor	Peter T. Barrett
Art Unit	2614
Examiner Name	
Attorney Docket Number	MS1-1758US

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

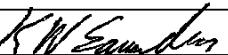
OR

That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.
 Fee set forth in 37 CFR 1.17 (p) has been submitted herewith.
 None

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature		Date (YYYY-MM-DD)	2006-04-30
Name/Print	Keith W. Saunders	Registration Number	41462

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

1 **IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

2 Serial No.....10/684,138
3 Filing Date10/10/2003
3 Confirmation No.....1286
4 InventorshipPeter T. Barrett
4 ApplicantMicrosoft Corporation
5 Group Art Unit2614
5 Attorney's Docket No.MS1-1758US
6 Title: Fast Channel Change

7
8 To: Commissioner of Patents and Trademarks
8 PO Box 1450
9 Alexandria, VA 22313-1450

10 From Keith W. Saunders (Tel. 509-324-9256; Fax 509-323-8979)
11 Customer Number : 22801
12 Lee & Hayes, PLLC
12 421 W. Riverside Avenue, Suite 500
12 Spokane, WA 99201

13
14 Fees will be paid by credit card through the EFS Web; however the
15 Commissioner is hereby authorized to charge any deficiency of fees and credit any
16 overpayments to Deposit Account Number 12-0769.

17
18 Respectfully Submitted,

19
20 Dated: 4/30/2006

21 By: KW/Saunders
21 Keith W. Saunders
21 Reg. No. 41462
21 (509) 324-9256